

PHMC Contract Overview

**C. M. Murphy, President and Chief Executive
Officer/(509) 376-3576**



*Final sampling of
241-U-361*

*Naval reactor
compartment*



*HR-3 Horn
investigation drilling*



HC-13MD glovebox at PFP

*First Sodium
Bonded Fuel
shipment to
Idaho
National
Laboratory*



*Preparing for
ultrasonic test
measurement
validation
(settler tank
mock-up)*



*PAS-1 cask used to transport
WCH fuel to K Basins*

Overview

This section of the report is intended to provide an executive-level performance overview. Unless otherwise noted, all information is as of September 2007.

Included in this section are descriptions of significant accomplishments considered to have made the greatest contribution toward safe, timely, and cost-effective cleanup; progress against the contract with RL; project cost summary analysis; and overviews of safety and critical issues that identify the high-level challenges to achieving cleanup progress.

Top FY 2007 Accomplishments

Nuclear Materials Stabilization and Disposition (Project Baseline Summary [PBS] RL-0011)

Disposition the Plutonium Finishing Plant (PFP) Facility

- Combined 13 Material Balance Areas (MBAs) in 234-5Z down to two.
- Completed internal cleanout of 15 234-5Z gloveboxes.
- Completed 241-Z demolition activities four years ahead of Tri-Party Agreement (TPA) due date.
- Deployed a fixed camera and crawler into the 216-Z-9 crib to inspect the slab and equipment.
- 232-Z Plutonium Incinerator Facility Project was selected as Project of the Year by the Columbia River Basin chapter of the Project Management Institute.

Spent Nuclear Fuel (SNF) Stabilization and Disposition (PBS RL-0012)

- **K East Containerization**
 - Completed containerization of K East Bulk Sludge on October 20, 2006; milestones M-034-33B (Complete K East Sludge Containerization), and DNFSB 119E (Complete K East Bulk Sludge Consolidation).
 - Completed K East Final Pass Sludge Vacuuming on May 31, 2007; milestone DNFSB 122E (K East Final Pass Sludge Removed).
- **Hose-In-Hose (HIH) Transfer**
 - Completed transfer of sludge from K East Basin to K West Basin on May 31, 2007; milestones M34-34 (Complete Removal of K East Sludge), and DNFSB 120E (Complete K East Containerized Sludge Removed).
- **K West Floor and Pit Sludge Retrieval (FPSR)**
 - Completed K West Basin Bulk Sludge Containerization on July 3, 2007; milestones M-034-35a (Containerize K West Bulk Sludge), and DNFSB 119W (Complete K West Bulk Sludge Containerization).

Top FY 2007 Accomplishments, continued

Solid Waste Stabilization and Disposition (PBS RL-0013) and Operate Waste Disposal Facility (PBS RL-0080)

- **Safety**
 - The Waste Stabilization and Disposition (WSD) Project was recognized with the DOE Voluntary Protection Program (VPP) STAR of Excellence. The Project had three OSHA recordables in FY 2007, (0.36 case rate) and two OSHA recordables in CY 2007 through September (0.30 case rate).
- **Transuranic (TRU) Waste Program**
 - Completed a total of 700 cubic meters (m³) of shipments to the Waste Isolation Pilot Plant (WIPP) in FY 2007. A total of 2,542 m³ has been shipped to WIPP since shipping was initiated in July 2000.
- **TRU Waste Retrieval**
 - A total of 1,346 m³ of suspect TRU waste was retrieved in FY 2007. A cumulative total of 6,694 m³ of suspect TRU waste has been retrieved as of September 30, 2007. Tri-Party Agreement (TPA) milestones M-91-40D and M-91-40R, were both completed one month ahead of schedule. M-91-40D required retrieval of a cumulative 4,700 m³, and M-91-40R required completion of retrieval in Trench 4 of burial ground 218-W-4C.
- **Mixed Low Level Waste (MLLW) Treatment**
 - As of the end of September, a cumulative total of 5,731 m³ of MLLW has been dispositioned. TPA milestone M-91-12, thermal treatment of 600 m³ of MLLW, was completed five months ahead of schedule.
- **Liquid Waste Processing**
 - Completed six Basin 44 Campaigns at the 200 Area Effluent Treatment Facility (ETF) in FY 2007, all ahead of schedule.

Safeguards and Security (PBS RL-0020)

- Completed successful inspection by DOE-HQ Office of Performance Assurance – “green” across all topical areas.
- Completed modification of 2704Z and Patrol relocation.
- Won the DOE Secretary’s Trophy at the 2007 Security Protection Officer Training Competition (SPOTC).
- Completed Safeguards and Security Projects:
 - Patrol Training Academy (PTA) facility upgrades.
 - Replacement of Automated Transfer Switches 3 and 4 at the Plutonium Finishing Plant (PFP).
 - High mast lighting at PFP.
 - Wye Barricade upgrades.

Top FY 2007 Accomplishments, continued

Soil and Water Remediation Groundwater/Vadose Zone (PBS RL-0030)

- **River Corridor**
 - Completed installation of a 300-foot permeable reactive barrier at the 100-NR-2 Operable Unit (OU) in accordance with TPA Milestone M-16-14A.
 - Expanded the 100-KR-4 OU pump and treat capacity by installing a new pump and treat system at 100-K West.
- **Central Plateau**
 - Submitted the Remedial Investigation (RI) Draft A Work Plan for the 200-BP-5 OU in accordance with TPA Milestone M-13-06B.
 - Submitted the RI Draft A Work Plan for the 200-PO-1 OU one month ahead of the TPA Milestone M-13-10A due date.
 - Submitted the RI/Feasibility Study (FS) Work Plan for supplemental characterization required for 200 Area OUs in accordance with TPA Milestone M-13-50.
- **Integration**
 - Installed 57 groundwater wells, including all 15 wells required to meet TPA Milestone M-24-57M (Calendar Year [CY] 2007 groundwater wells), and 8 wells in support of TPA Milestone M-24-57P (CY 2008 groundwater wells).
 - Decommissioned 90 groundwater wells.

Nuclear Facility Decontamination and Decommissioning (D&D), Remainder of Hanford (PBS RL-0040)

Deactivation and Decommissioning (D&D)

- **212-N Facility**
 - Characterized, packaged, and shipped 15 crates to support the downgrade to a less than hazard category 3 facility.
- **200 North Sites**
 - Completed remediation closure of four waste sites in the 200-CW-3, 200 North Cooling Water Group waste sites.
- **221-UW-1 Plant zone Waste Site Remediation**
 - Completed video record and collection of dose rates inside the 241-U-361 tank.
 - Obtained samples from the 241-U-361 tank and delivered to the lab.

Top FY 2007 Accomplishments, continued

Nuclear Facility Decontamination and Decommissioning (D&D), Remainder of Hanford, continued

Deactivation and Decommissioning (D&D), continued

- **D&D**
 - Completed D&D of 11 industrial buildings.
 - Completed the Integrated Soil, Groundwater and D&D Project Execution Plan.

Waste Site Remediation

- **TPA Milestones**
 - Completed all TPA milestones on or ahead of schedule within FY 2007.
- **RI/FS and Post-ROD Work**
 - Completed Data Quality Objective Sampling and Analysis Plan (DQO/SAP) and RI work plan for supplemental characterization.
 - Started characterization of the BC Cribs to support excavation treatability test.
 - Completed 200-MW-1 field investigation (A4 replacement borehole and sampling; A21 borehole and A21 push).
 - Completed characterization (geoprobe and analytical sampling) for 200-UR-1 Zones A and B.
 - Submitted the Feasibility Study/Proposed Plan (FS/PP) for 200-PW-1/3/6 OU.

Reliability Projects

- Completed near term repairs on four telecommunication repeater buildings on December 31, 2006 (L-598, *Near Term Repairs – Repeater Facilities*).
- Completed chip sealing 10 miles of roadway on Route 4S between Wye Barricade and Route 11A on July 27, 2007 (L-515, *Chip Seal from Route 4S between Wye Barricade and Route 11A*).
- Completed repair and replacement of roof membranes for MO406, 609, 609G, and 3709A Buildings in August 2007 (L-396, *Roof Rehabilitation, Phase I*).
- Completed mortar lining of 12-inch sanitary water line that furnishes water to 200 East Tank Farm facilities and the Waste Treatment Plant on September 28, 2007 (L-429, *12-Inch Water Line Mortar Lining Along 4th Street from Baltimore to Canton*).

Top FY 2007 Accomplishments, continued

Nuclear Facility D&D, Fast Flux Test Facility (FFTF) (PBS RL-0042)

- Completed sodium bonded fuel pins transfer from PFP to FFTF.
- Transferred mixed oxide pins (ACO-3 & FO-2) to Idaho National Laboratory (INL).
- Completed TPA Milestone M-92-10, *Submit Sodium Disposition Evaluation Report*.
- Initiated Disposable Solid Waste Cask (DSWC) operations.
- Initiated Sodium Bonded Fuel shipments to INL.

Notable September Accomplishments

Nuclear Materials Stabilization and Disposition (Project Baseline Summary [PBS] RL-0011)

Disposition the Plutonium Finishing Plant (PFP) Facility

- Formal notification was received from DOE-RL directing de-inventory of PFP.
- Completed Non-Destructive Assay (NDA) of the model 60 shipping containers stored in outside waste storage area awaiting processing for Environmental Restoration Disposal Facility (ERDF) disposal.
- Initiated an implementation plan to allow interim storage of 9975s in 234-5Z.
- Completed internal cleanout of HC-13MD, awaiting completion of waste disposition.
- Completed pulsar glovebox demobilization.
- Process equipment removal from HA-15 is approximately sixty percent complete.
- Complete removal of water walls in HA-23C.

Spent Nuclear Fuel (SNF) Stabilization and Disposition (PBS RL-0012)

- **K East D&D Project**
 - Delivered all liquid and sludge samples to 222-S laboratory.
 - Initiated sludge sample analysis.
- **Hose In Hose (HIH) Transfer**
 - Conducted Hazard Analysis for deactivated outside HIH equipment.

Notable September Accomplishments, continued

Spent Nuclear Fuel (SNF) Stabilization and Disposition (PBS RL-0012), continued

- **K West**
 - Completed final pass vacuuming of 1295 cubicles (40 percent complete).
 - Issued revised Final Pass Endpoint Criteria letter incorporating EPA comments.
 - Transferred 12,000 gallons of water from K West to K East through basin water return line.
- **Legacy Fuel**
 - Completed 36 percent of Cold Vacuum Drying facility (CVDF) Preventive Maintenance activities in preparation for restart.
 - Weighed and vented knockout pots and weighed Integrated Water Treatment System (IWTS) strainer canisters for Safeguards action commitment.
- **Sludge Treatment Project (STP)**
 - Submitted interim Baseline Change Request (BCR) to start FY 2008 STP activities.
 - Submitted Pre-Conceptual Safety Design Strategy (SDS) to DOE for review.
 - Continued Conceptual Design activities.

Solid Waste Stabilization and Disposition (PBS RL-0013) and Operate Waste Disposal Facility (PBS RL-0080)

- **TRU Waste Program:** Seven shipments (62 m³) to the WIPP were completed during September. A backlog of 269 m³ of certified waste is available as of September 30, 2007. The June 2007 WIPP recertification audit report was approved.
- **TRU Waste Retrieval:** A total of 468 m³ of suspect TRU waste was retrieved during September. Initiated excavation in Burial Ground 218-W-3A Trench 17.
- **MLLW Treatment:** Dispositioned 47 m³ of MLLW during September 2007. All waste requiring treatment to meet the M-91-42D milestone (due 12/31/07) has been shipped for commercial processing.

Notable September Accomplishments, continued

Safeguards and Security (PBS RL-0020)

- Completed PTA Facility Upgrades.
- Completed Wye Barricade Paving.
- Completed Firearms Qualifications with no recordable injuries.
- Completed computer modeling of PFP Lag Storage options.
- Completed International Atomic Energy Agency (IAEA) inventory.
- Completed Shipping Plan Protection planning and coordinated with Office of Secure Transportation.
- Completed new Hanford General Employee Training (HGET) module on Workplace Violence Prevention.

Soil and Water Remediation Groundwater/Vadose Zone (PBS RL-0030)

- **River Corridor**
 - Completed installation of the second injection campaign at the 100-NR-2 Operable Unit permeable reactive barrier.
 - Initiated injections of molasses at 100-D Area as part of the technology development treatability study for treating hexavalent chromium using in situ biostimulation.
 - Completed two months of operation of electrocoagulation pump and treat at an average rate of 50 gallons per minute; extending operations into October for further testing.
- **Central Plateau**
 - Submitted the Draft A FS/PP for the 200-ZP-1 Operable Unit in September 2007 in accordance with TPA Milestone M-15-48B.
 - Connected two T Farm wells to the 200 Effluent Treatment Facility (ETF) transfer line, thus enabling treatment of technetium-99 contaminated groundwater at the ETF.
 - Completed evaluation of purolite resin for 200-ZP-1 pump and treat operations, determining that purolite is a cost-effective alternative for removal of technetium-99 and cobalt-60 from groundwater.
 - Issued the 200-PO-1 DQO Summary Report.
- **Integration**
 - Completed 96 percent of the scheduled FY 2007 groundwater well samples and eliminated a backlog of 125 wells from prior fiscal years.

Notable September Accomplishments, continued

Nuclear Facility Decontamination and Decommissioning (D&D), Remainder of Hanford (PBS RL-0040)

Central Plateau D&D

- **200-UW-1 U Plant Zone Waste Site Remediation**
 - Transmitted Justification of the STOMP model (Volume I) and the Remove, Treat, and Disposal (RTD) Technical Basis document (Volume II) to RL on September 28, 2007.
 - Completed 241-U-361 Sampling Tank Performance Incentive (PI) on September 29, 2007.
- **221-U Canyon Facility**
 - Finalized the Remedial Design/Remedial Action Work Plan (RD/RAWP) Draft B and transmitted to RL for regulator approval.
- **Reliability Projects**
 - Completed DOE Order 430.1B, Real Property Asset Management, implementation activities:
 - Issued the Request for Proposal for preparation of the Hanford Ten-Year Site Plan.
 - Completed trailer inspections, data analysis, and input of trailer field walk down information into the Facility Information Management System database.
 - Submitted a draft National Environmental Policy Act (NEPA) Five-Year Supplemental Analysis for the Hanford Comprehensive Land Use Plan to RL.
 - Continued progress on current year reliability projects:
 - o Completed construction on L-429, *12-Inch Water Line Mortar Lining Along 4th Street from Baltimore to Canton Street*, on September 28, 2007.
 - o Completed L-626, *100B Export Water System Reliability Enhancements*, 181-B water line and sprinkler installations on September 28, 2007.

Nuclear Facility D&D, Fast Flux Test Facility (FFTF) (PBS RL-0042)

- **Fuel Offload - Fuel Disposition T-3 Cask**
 - First shipment of Sodium Bonded Fuel shipped to INL.
- **Disposable Solid Waste Cask (DSWC) Operations**
 - The second DSWC moved to the temporary storage pad.

Current Issues

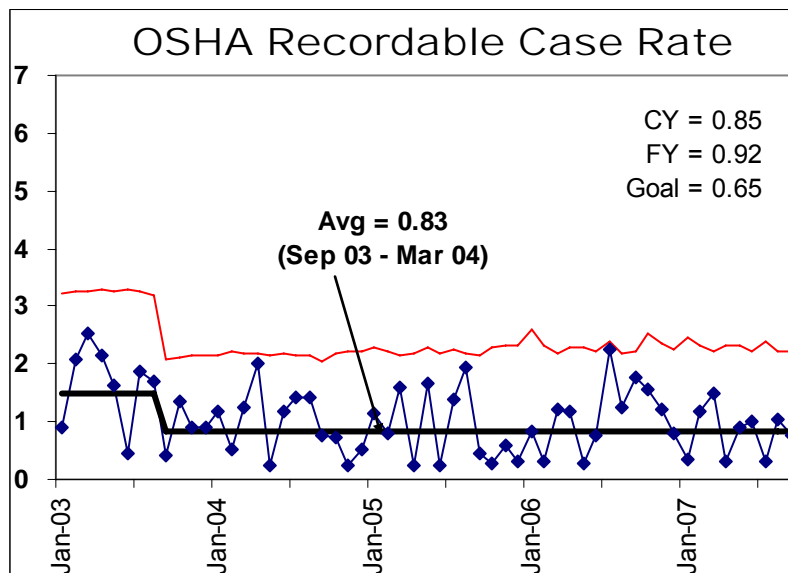
SNF Stabilization and Disposition (PBS RL-0012)

- **K Basins Closure Project**
 - Personnel Transfers: potential impacts to remaining work through loss of qualified personnel.
 - o K Basin operators who are qualified in fuel transfer/processing equipment continue to LAMP to other projects.
 - o K Basin Field Work Supervisor (FWS) and Shift Manager transfers to meet other site priorities have a potential to impact field execution of near-term scheduled work.
 - o Evaluating transfer requests; submitting requests to backfill and train.
 - Additional debris sorting required in K West: the amount of “hot” debris at K East and K West that requires sorting and segregation is adding to work scope and resource requirements.
 - o Conducting re-inventory and prioritizing the need to examine the materials.
 - o Measuring potential impact to achieving Final Pass criteria and number of scrap baskets required for Multi-Canister Overpacks (MCOs).
 - K East - Incorporation of Value Engineering results to baseline activities taking longer than planned: progress reporting requires “interpretation” and downgrade documentation preparations are lagging.
 - o Baseline planning efforts receiving full attention; credible effort to incorporate all options and potential mitigations; internal management review and discussion of changed approach and estimate are ongoing.
 - o Completion of “debris management” activities are later than planned; current schedule is being maintained with opportunities to improve being implemented.
 - K East - Revision of Sludge Transfer System Safety Analysis Report for Packaging (SARP) (supporting removal of sand from K East sand filter) will not be approved in time for baseline shipment date to T Plant.
 - o Close coordination for comment resolution.
 - o Storage of sand media cask at K West until SARP is complete mitigates the issue.
- **STP received a draft letter from RL providing additional direction for the disposition of knockout pot (KOP) sludge, to be handled as spent nuclear fuel.**
 - CCP contracted with WIPP, liaison impacts design.
 - Establishing a WIPP certified lab at Hanford.
 - Addressing potential for new remote-handled transuranic waste (RH-TRU) storage facility.

Safety Overview

The focus of this section is to document trends in occurrences. FH continues to focus on improving safety through the efforts of the PHMC workforce as they implement the Integrated Environmental Safety and Health Management System, work towards achieving and maintaining Voluntary Protection Program "Star" status, and accomplish work through enhanced work planning. Safety and health statistical data is presented below. The safety charts are reported according to Occupational Safety and Health Administration (OSHA) standards.

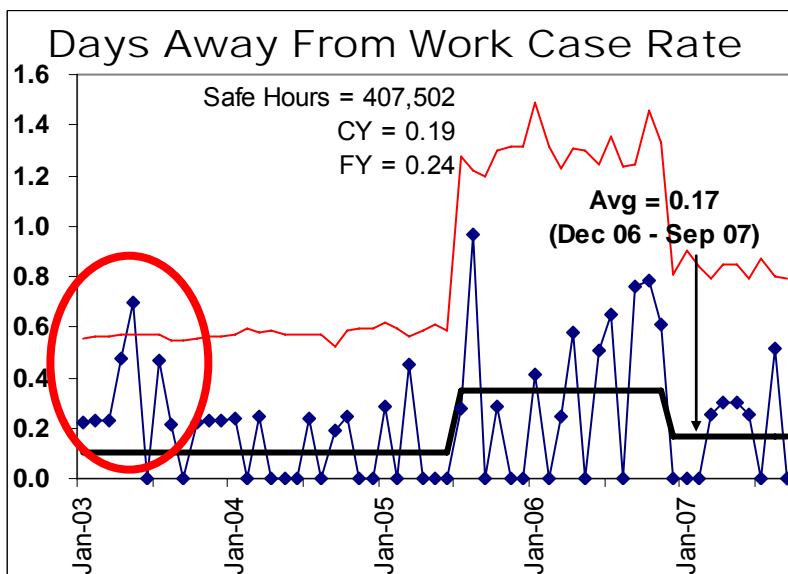
Total OSHA Recordable Case Rate:



Three confirmed OSHA recordable cases in September resulted in a fiscal year-end case rate of 0.92 per 200,000 hours worked.

Suggestions from the end of August Safety Stand Down are still being processed and implemented. Forty-six percent of the suggestions have been dispositioned to date.

OSHA Days Away From Work (DAFW) Case Rate:

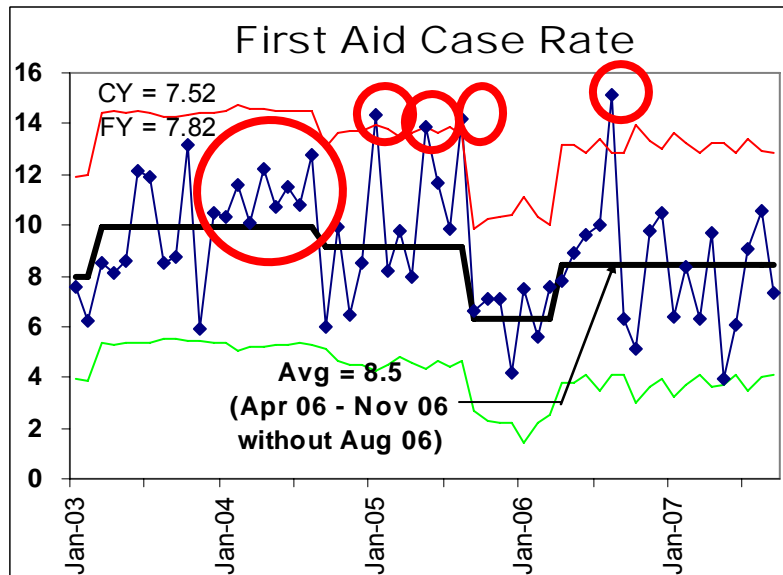


No Days Away from Work (DAFW) injuries were reported in September. A total of ten DAFW injury cases were reported for FY 2007.

A new DAFW baseline average was calculated following the significant improving trend identified last month.

Safety Overview, continued

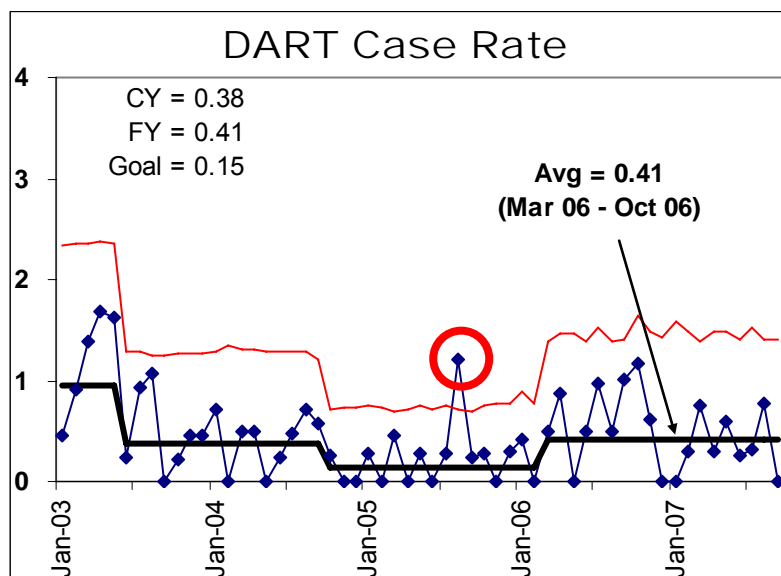
First Aid Case Rate:



First Aid Cases have been steady since September 2006 on a baseline of 8.5.

First aid cases were relatively low this summer, in comparison to the usual summer cycles involving insect and wind-related cases. Fluor continues to focus on management efforts (through several innovations as well as the Human Performance Improvement program) to achieve further reductions in injury rates.

Days Away Restricted/Transferred (DART) Case Rate:



The Fluor DART case rate average at FY 2006 year end was 0.41 per 200,000 hours worked. The DART rate remains stable, but at more than twice as high as the goal. As with the DAFW rate, the primary source of injuries was strain/sprains and ligament/cartilage damage injuries.

Schedule/Cost Performance (\$M)

Both Current Month and Cumulative-to-Date (that is, FY 2004 to present) performance is presented below. Variances addressed are at the Cumulative-to-Date level.

Current Period (September)		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
HQ-0012X	SNF Stabilization and Disposition Storage Ops	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
RL-0011	Nuclear Materials Stabilization & Disposition	\$23.9	\$11.5	\$9.0	-\$12.4	-52.0%	\$2.5	21.8%	\$107.9
RL-0012	SNF Stabilization & Disposition	\$9.2	\$7.6	\$9.5	-\$1.6	-17.3%	-\$1.9	-24.8%	\$117.6
RL-0013	Solid Waste Stabilization & Disposition	\$17.2	\$20.6	\$21.1	\$3.4	19.4%	-\$0.5	-2.3%	\$178.0
RL-0020	Safeguards & Security	\$8.6	\$8.7	\$8.6	\$0.1	1.7%	\$0.2	1.7%	\$76.0
RL-0030	Soil & Water Remediation, Groundwater/Vadose Zone	\$8.2	\$7.7	\$8.5	-\$0.5	-6.1%	-\$0.7	-9.6%	\$76.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	\$8.1	\$7.0	\$7.4	-\$1.1	-13.2%	-\$0.4	-5.3%	\$64.6
RL-0041	Nuclear Facility D&D, RC Closure Project	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
RL-0042	FFTF Project	\$2.2	\$2.4	\$2.8	\$0.2	9.5%	-\$0.4	-16.9%	\$28.5
RL-0043	HAMMER	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
RL-0080	Operate Waste Disposal Facility	\$0.0	-\$0.1	\$0.3	-\$0.2	-521.5%	-\$0.4	311.4%	\$2.7
HQ-MS100	HAMMER	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
Subtotal Sub-project Work scope		\$77.4	\$65.4	\$67.0	-\$12.0	-15.5%	-\$1.6	-2.5%	\$651.1
4.4.6.1+.2	Request for Services & HAMMER RFSS	\$2.2	\$2.6	\$1.7	\$0.4	16.8%	\$0.8	32.9%	\$15.4
4.4.6.3	Work Orders from PNNL	\$2.8	\$2.8	\$0.7	\$0.0	0.0%	\$2.1	76.3%	\$10.0
4.4.6.4	Work Orders from BHI	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.0
4.4.6.6	Work Orders from BNI	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.1
4.4.6.7	Work Orders from CH2M HILL	\$4.6	\$4.6	\$3.2	\$0.0	0.0%	\$1.4	30.8%	\$34.0
4.4.6.9	Work Orders from AMH	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.3
4.4.6.10	Work Orders from ATL	\$0.0	\$0.0	\$0.0	\$0.0	0.0%	\$0.0	0.0%	\$0.1
4.4.6.11	Work Orders from WCH	\$0.9	\$0.9	\$0.5	-\$0.1	-6.6%	\$0.4	40.8%	\$6.3
4.4.6.12	RFSS from National Guard Bureau	\$0.3	\$0.3	\$0.2	\$0.2	0.0%	\$0.0	15.4%	\$1.3
Total Work For Others		\$10.9	\$11.2	\$6.4	\$0.3	2.8%	\$4.8	42.5%	\$67.6
Total FH Contract Work scope		\$88.3	\$76.6	\$73.4	-\$11.7	-13.3%	\$3.2	4.1%	\$718.7

NOTE: Numbers rounded to nearest \$0.1M.

Cumulative-To-Date (FY 2004-Present)		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion (thru FY 2008)
HQ-0012X	SNF Stabilization and Disposition Storage Ops	\$2.5	\$2.5	\$2.4	\$0.0	0.0%	\$0.1	3.6%	\$2.5
RL-0011	Nuclear Materials Stabilization & Disposition	\$583.9	\$584.4	\$547.2	\$0.5	0.1%	\$37.3	6.4%	\$698.2
RL-0012	SNF Stabilization & Disposition	\$499.1	\$493.4	\$568.0	-\$5.7	-1.1%	-\$74.6	-15.1%	\$576.5
RL-0013	Solid Waste Stabilization & Disposition	\$646.9	\$642.5	\$637.4	-\$4.4	-0.7%	\$5.1	0.8%	\$867.1
RL-0020	Safeguards & Security	\$264.4	\$263.8	\$259.9	-\$0.6	-0.2%	\$3.9	1.5%	\$349.4
RL-0030	Soil & Water Remediation, Groundwater/Vadose Zone	\$208.6	\$201.5	\$202.3	-\$7.1	-3.4%	-\$0.8	-0.4%	\$304.3
RL-0040	Nuclear Facility D&D, Remainder of Hanford	\$255.6	\$250.3	\$248.1	-\$5.3	-2.1%	\$2.2	0.9%	\$326.3
RL-0041	Nuclear Facility D&D, River Corridor Closure	\$30.4	\$30.4	\$26.4	\$0.0	0.0%	\$4.0	13.1%	\$30.4
RL-0042	FFTF Project	\$149.0	\$145.9	\$143.8	-\$3.1	-2.1%	\$2.1	1.4%	\$168.8
RL-0043	HAMMER	\$7.3	\$7.3	\$7.3	-\$0.1	-1.2%	-\$0.1	-0.8%	\$7.3
RL-0080	Operate Waste Disposal Facility	\$17.0	\$16.5	\$14.4	-\$0.6	-3.3%	\$2.1	12.7%	\$19.6
HQ-MS100	HAMMER	\$8.0	\$8.1	\$7.9	\$0.2	1.9%	\$0.2	2.6%	\$8.0
Subtotal Sub-project Work scope		\$2,672.8	\$2,646.5	\$2,665.1	-\$26.3	-1.0%	-\$18.6	-0.7%	\$3,358.5
4.4.6.1+.2	Request for Services & HAMMER RFSS	\$55.7	\$54.4	\$43.8	-\$1.3	-2.3%	\$10.7	19.6%	\$57.2
4.4.6.3	Work Orders from PNNL	\$34.8	\$34.8	\$29.0	\$0.0	0.1%	\$5.7	16.5%	\$34.8
4.4.6.4	Work Orders from BHI	\$5.4	\$5.0	\$4.3	-\$0.4	-7.2%	\$0.7	14.3%	\$5.4
4.4.6.5	Work Orders from HEHF	\$0.3	\$0.3	\$0.2	\$0.0	0.0%	\$0.1	35.2%	\$0.3
4.4.6.6	Work Orders from BNI	\$1.5	\$1.5	\$0.6	\$0.0	-0.2%	\$0.9	59.9%	\$1.5
4.4.6.7	Work Orders from CH2M HILL	\$149.1	\$148.7	\$130.2	-\$0.4	-0.2%	\$18.5	12.5%	\$150.8
4.4.6.8	Work Orders Fabrication Services	\$3.4	\$3.4	\$2.3	\$0.0	0.0%	\$1.1	32.2%	\$3.4
4.4.6.9	Work Orders from AMH	\$1.1	\$1.1	\$0.9	\$0.0	0.0%	\$0.2	15.0%	\$1.1
4.4.6.10	Work Orders from ATL	\$0.2	\$0.2	\$0.2	\$0.0	0.0%	\$0.1	31.4%	\$0.2
4.4.6.11	Work Orders from WCH	\$11.5	\$11.3	\$9.6	-\$0.2	-2.1%	\$1.6	14.5%	\$12.0
4.4.6.12	RFSS from National Guard Bureau	\$1.3	\$1.3	\$1.3	\$0.0	0.0%	\$0.0	3.0%	\$1.3
Total Work For Others		\$264.2	\$262.0	\$222.3	-\$2.3	-0.9%	\$39.7	15.1%	\$268.1
Total FH Contract Work scope		\$2,937.0	\$2,908.5	\$2,887.4	-\$28.5	-1.0%	\$21.1	0.7%	\$3,626.6

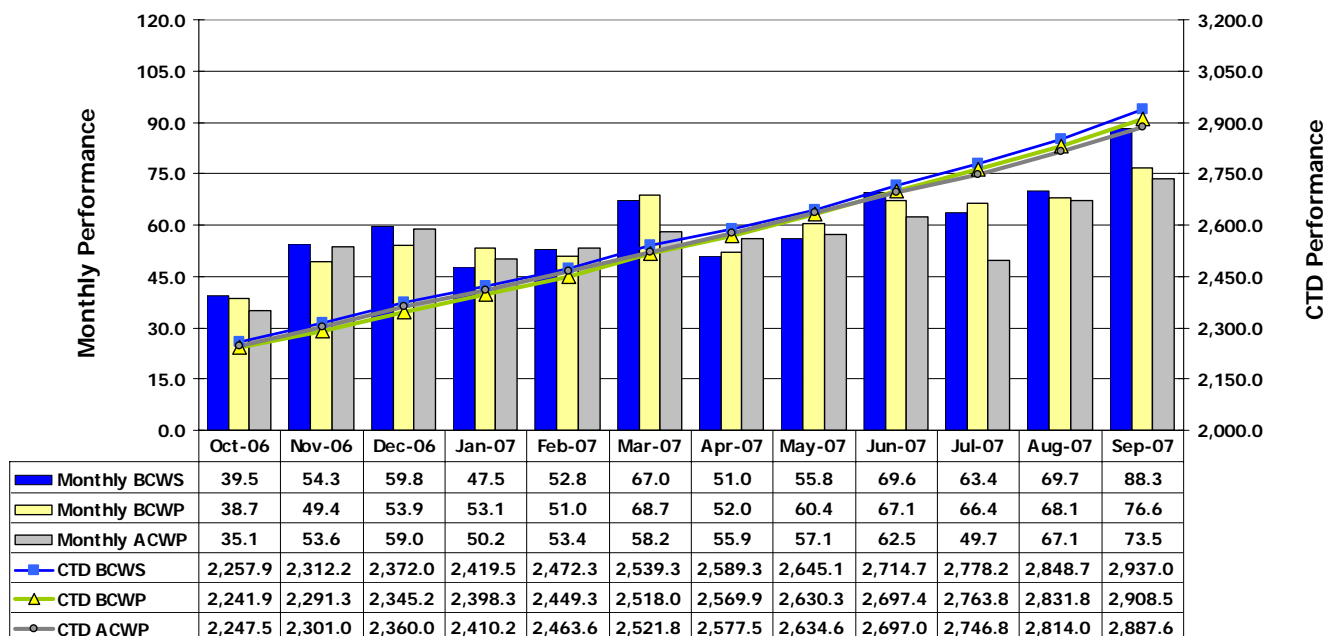
NOTE: Numbers rounded to nearest \$0.1M.

CTD Schedule Performance: Cumulative-to-date contract schedule performance reflected a -\$28.5M/-1.0 percent unfavorable variance. The most significant schedule variances are discussed in Section C, *SNF Stabilization and Disposition*, Section D, *Nuclear Facility D&D, Remainder of Hanford*, and Section G, *Soil and Water Remediation, Groundwater/Vadose Zone*.

CTD Cost Performance: Cumulative-to-date contract cost performance reflected a +\$21.1M/0.7 percent variance. The most significant cost variances are discussed in Section B, *Nuclear Materials Stabilization and Disposition*, and Section C, *SNF Stabilization and Disposition*.

Schedule/Cost Performance (\$M), continued

Performance Status
CTD and Monthly (\$M)



FY 2007 FH Funds vs. Actual Costs (\$M)

PBS Title	PBS	October 2006 Funding (with Carryover)	September 2007 Actual Funding	Funding Change + / (-)	FY 2007 Actual Cost	FY 2007 Carryover
SNF Stabilization and Disposition Storage Ops	HQ-0012X	0.1	0.1	0.0	0.1	0.0
Nuclear Materials Stabilization & Disposition	RL-0011	99.7	98.6	-1.1	91.9	6.7
SNF Stabilization & Disposition	RL-0012	94.8	137.5	42.6	128.2	9.2
Solid Waste Stabilization & Disposition	RL-0013	225.2	212.2	-13.0	191.6	20.6
Safeguards & Security	RL-0020	84.9	80.5	-4.4	78.0	2.5
Soil and Water Remediation, Groundwater/Vadose Zone	RL-0030	79.1	91.7	12.6	76.0	15.8
Nuclear Facility D&D, Remainder of Hanford	RL-0040	78.1	75.1	-3.0	62.9	12.1
FFTF Project	RL-0042	42.3	41.1	-1.2	28.0	13.1
HAMMER	RL-0043	1.4	1.4	0.0	1.4	0.1
Operate Waste Disposal Facility	RL-0080	3.6	3.3	-0.3	2.5	0.7
HAMMER	HQ-MS100	0.2	0.2	0.0	0.2	0.0
Total FH		\$709.4	\$741.6	\$32.2	\$660.8	\$80.8

NOTE: Numbers rounded to nearest \$0.1M.

Milestone Performance

Milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The FY 2007 Enforceable Agreement milestone information provided herein is based upon the current baseline including RL-approved changes. Changes from month-to-month in both the total number of milestones to be completed and in the forecast status of upcoming milestones are the result of BCRs approved during the reporting period.

For FY 2007, all but two scheduled Enforceable Agreement milestones were completed on or ahead of schedule. Enforceable Agreement milestone M-091-421, "Treat 3,000 Cubic Meters Contact-Handled Transuranic Mixed Waste (CH-TRUM) by December 31, 2006," was missed.* The milestone's completion is projected to be April 30, 2008.

Enforceable Agreement milestone, M-034-32, "Complete Removal of K East Basin Structure," due March 31, 2007, was missed.* This milestone's completion is projected outside of the FH contract term. The TPA dispute resolution process is addressing the issues associated with this milestone.

Note: the table below reflects data from the Hanford Site Technical Database. All of the TPA Enforceable Agreement milestones due in FY 2007 are reported herein, including those completed in previous years (e.g., FY 2005 or FY 2006).

* See letter FH-0701993-R1

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	Total FY 2007
Enforceable Agreement	22	2	0	2	0	0	0	26

Gold Metrics

Measure/Units		1st Qtr	2nd Qtr	3rd Qtr	Jul 2007	Aug 2007	Sep 2007	4th Qtr	FY 2007 To Date	FY 2007 Total
Nuclear Facility Completions (# of facilities)	RL Planned	-	-	-	-	-	3	3	3	3
	Actual	-	-	4	-	-	-	-	4	4
Radioactive Facility Completions (# of facilities)	RL Planned	-	-	-	-	-	-	-	-	-
	Actual	-	-	-	-	-	-	-	-	-
Industrial Facility Completions (# of facilities)	RL Planned	-	-	-	-	-	-	-	-	-
	Actual	-	11	-	-	-	-	-	11	11
Remediation Complete (# of release sites)	RL Planned	-	-	-	-	-	-	-	-	-
	Actual	-	-	-	3	-	1	4	4	4
Spent Nuclear Fuel packaged for final disposition (MTHM)	RL Planned	-	-	-	-	-	-	-	-	-
	Actual	-	-	0.01	-	-	-	-	0.01	0.01
Transuranic Waste shipped for disposal at WIPP (cubic meters)	RL Planned	119	126	126	42	42	43	127	498	498
	Actual	119	179	234	63	43	62	168	699	699
Low-Level and Mixed Low-Level Waste disposed (cubic meters)	RL Planned	822	822	847	287	287	289	863	3,354	3,354
	Actual	197	195	159	114	214	47	375	925	925

One Waste Site (in 216-N-7 Trench) was dispositioned during September 2007.

Government Furnished Services/Items

There are no RL action/commitments required within the next 30 days (including any open GFS/I from prior periods) to support FH's accelerated cleanup. NOTE: GFS/I data is through October 23, 2007.

Contract Deliverables

Listed below are the near-term FH action/commitments required to support FH's accelerated cleanup. Only data for the next 30 days (including any open Contract Deliverables from prior periods) are shown. Items highlighted in "gold" reflect the affected PI. Items in "pink" reflect an overdue status. NOTE: All contract deliverable data is through September 18, 2007.

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0027	C.2.2.1.3.1.c DELIVERABLES/COMPLETIONS	WBS 4.1.2.3.1 Maintain Safe and Compliant WESF WBS 4.1.2.3.1 Maintain Safe and Compliant WESF	• Waste Stabilization & Disposition	DE-AC06-96RL13200, C.2.2.1.3.1, DELIVERABLES DE-AC06-96RL13200, H.41	Authorization Agreement for WESF (review annually and update as necessary) Authorization Agreement for WESF (2007) Planned: 30 October 2007			
CD0097	C.4.2.2.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.7.8 Acquisition and Materials Management Asset Disposition (Investment Recovery Operations)	• Business Services	DE-AC06-96RL13200, C.4.2.2, DELIVERABLES	Utilization and Disposal of Excess & Surplus Personal Property Report Due: Annually Utilization and Disposal of Excess & Surplus Personal Property Report (2007) Planned: 31 October 2007			
CD0101	C.4.2.16.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.3 Fleet Services Fleet Maintenance	• Closure Services & Infrastructure	DE-AC06-96RL13200, C.4.2.16, DELIVERABLES	Input to Federal Automotive Statistical Tool (FAST) Report Due: Annually by October 31st Input to Federal Automotive Statistical Tool (FAST) Report (2008) Commitment: 31 October 2007 Planned: 31 October 2007			
CD0111	C.4.2.34.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.7.8 Acquisition and Materials Management Property System Management	• Business Services	DE-AC06-96RL13200, C.4.2.34, DELIVERABLES	Physical Inventory Report Due: Annually Physical Inventory Report (2007) Planned: 1 November 2007			

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Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0114	C.4.2.41.c DELIVERABLES/COMPLETIONS	WBS 4.3.5.6 Material Control and Accountability Material Control and Accountability	• Safeguards & Security	DE-AC06-96RL13200, C.4.2.41, DELIVERABLES	Nuclear Material Accountability Transaction Data Report Due: Monthly			
					Nuclear Material Accountability Transaction Data Report (Oct 2007) Planned: 13 November 2007			
CD0115	C.4.2.41.c DELIVERABLES/COMPLETIONS	WBS 4.3.5.7 Safeguards & Security Program Management Safeguards & Security	• Safeguards & Security	DE-AC06-96RL13200, C.4.2.41, DELIVERABLES	Nuclear Material Balance Report Due: Monthly			
					Nuclear Material Balance Report (Oct 2007) Planned: 15 November 2007			
CD0169	C.5.3.4.c DELIVERABLES/COMPLETIONS	WBS 4.4.4 PHMC Planning and Integration Contract Reporting (Baseline)	• Project Systems & Support	DE-AC06-96RL13200, C.5.3.4, DELIVERABLES	Project Hanford Management Contract Performance Report Due: Monthly			
					Project Hanford Management Contract Performance Report (Sep 2007) Planned: 25 October 2007			
CD0173	C.5.3.1.c DELIVERABLES/COMPLETIONS	WBS 4.4.2 Financial Systems Accounting System	• Business Services	DE-AC06-96RL13200, C.5.3.1, DELIVERABLES	Financial Information System (FIS) Management & Reporting System (MARS) Due: Month-End Deadlines			
					Financial Information System (FIS) Management & Reporting System (MARS) (Oct 2007) Planned: 10 November 2007			
CD0210	C.5.9.4.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.1.1 Electrical Utilities Energy Management	• Closure Services & Infrastructure	DE-AC06-96RL13200, C.5.9.4, DELIVERABLES	FH Annual Energy Management Report Due: Annually			
					FH Annual Energy Management Report (2007) Planned: 9 November 2007		DOE guidance for Annual Energy Management Report. (2007)	
CD0271	C.5.3.1.c DELIVERABLES/COMPLETIONS	WBS 4.4.2 Financial Systems Accounting System	• Business Services	DE-AC06-96RL13200, C.5.3.1, DELIVERABLES	Depreciation Charges Due: Monthly			
					Depreciation Charges (Oct 2007) Planned: 10 November 2007			

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Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0272	C.5.3.4.c DELIVERABLES/COMPLETIONS	WBS 4.4.3.14 Work Force Services Contract Reporting (Human Resources)	• Workforce Services	DE-AC06-96RL13200, C.5.3.4, DELIVERABLES	Equal Employment Opportunity (EEO)1 Report - Required by and sent to the U.S. Department of Labor Due: Annually			
CD0281	C.5.3.1.c DELIVERABLES/COMPLETIONS	WBS 4.4.2 Financial Systems Accounting System	• Business Services	DE-AC06-96RL13200, C.5.3.1, DELIVERABLES	Fluor Hanford, Inc., Cost Submittal FHXXXX Due: Monthly			
CD0285	C.5.3.4.c DELIVERABLES/COMPLETIONS	WBS 4.4.3.5 Internal Audit Contract Reporting (Internal Audit)	• Business Services	DE-AC06-96RL13200, C.5.3.4, DELIVERABLES	Internal Audit Quarterly Status Report Due: Quarterly			
CD0290	C.5.3.4.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.7.8 Acquisition and Materials Management Contract Reporting (Acquisitions)	• Business Services	DE-AC06-96RL13200, C.5.3.4, DELIVERABLES	Procurement Balanced Scorecard Due: Annually			
CD0298	C.5.3.4.c DELIVERABLES/COMPLETIONS	WBS 4.4.3.14 Work Force Services Contract Reporting (Human Resources)	• Workforce Services	DE-AC06-96RL13200, C.5.3.4, DELIVERABLES	VETS-100 Report - Required by and sent to the U.S. Department of Labor Due: Annually			
CD0300	C.4.2.52.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.1.3 Water Compliance and Sampling Utilities Operations and Maintenance--Water Compliance and Sampling	• Closure Services & Infrastructure	DE-AC06-96RL13200, C.4.2.52, DELIVERABLES	200E, 200W, 400 Area Drinking Water Report Due: Monthly			

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Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0534	C.2.5.3.c DELIVERABLES/COMPLETIONS	WBS 4.1.7.6 Groundwater Monitoring & Performance Assessments Monitoring and Assessing Groundwater Performance	• Soil & Water Remediation/Groundwater	DE-AC06-96RL13200, C.2.5.3, DELIVERABLES	RCRA Quarterly Reports Due: Quarterly RCRA Quarterly Reports (April-June 2007) Planned: 16 November 2007			
CD0548	C.3.1.1.c DELIVERABLES/COMPLETIONS	WBS 4.4.3.12 Quality Assurance Quality Assurance	• Environment, Health, Safety, & Quality	DE-AC06-96RL13200, C.3.1.1, DELIVERABLES	Reports to RL as required by memorandum, Paul Golan, EM-2, Response to the RL Requests for Continual Submittal of Quarterly Status Reports, dated April 29, 2005. Due: Quarterly Reports to RL as required by memorandum, Paul Golan, EM-2, Response to the RL Requests for Continual Submittal of Quarterly Status Reports, dated April 29, 2005 (4th Qtr 2007) Planned: 14 November 2007			
CD0560	C.3.6.1.c DELIVERABLES/COMPLETIONS	WBS 4.2.6 200 Area Liquid Effluent Facilities Dispose of Liquid Effluents Treated by the ETF	• Waste Stabilization & Disposition	DE-AC06-96RL13200, C.3.6.1, DELIVERABLES	ST 4500 Discharge Monitoring Reports for the 200 Area Effluent Treatment Facilities. Due: Quarterly ST 4500 Discharge Monitoring Reports for the 200 Area Effluent Treatment Facilities (4th Qtr 2007) Planned: 15 November 2007			
CD0562	C.3.7.1.c DELIVERABLES/COMPLETIONS	WBS 4.2.6 200 Area Liquid Effluent Facilities Maintain Safe & Compliant 200 Area Effluent Treatment Facility Operations	• Waste Stabilization & Disposition	DE-AC06-96RL13200, C.3.7.1, DELIVERABLES	ST 4502 Discharge Monitoring Reports for the 200 Area Effluent Treatment Disposal Facilities Due: Quarterly ST 4502 Discharge Monitoring Reports for the 200 Area Effluent Treatment Disposal Facilities (4th Qtr 2007) Planned: 15 November 2007			

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Contract Deliverables, continued

Reference ID	SOW Section	WBS Scope	Responsibility	Requirement	Deliverable	FH Letter No. & Date Completed	Needed GFS/GFI	RL Letter No. & Date Completed
CD0591	C.4.2.34.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.7.8 Acquisition and Materials Management Property System Management	• Business Services	DE-AC06-96RL13200, C.4.2.34, DELIVERABLES	Input to GSA Non-Federal Recipients Report and Exchange/Sale Report Due: Annually by November 15th Input to GSA Non-Federal Recipients Report and Exchange/Sale Report (2008) Commitment: 15 November 2007 Planned: 15 November 2007			
CD0594	C.4.2.50.c DELIVERABLES/COMPLETIONS	WBS 4.3.1.1.1 Electrical Utilities Utilities Operations and Maintenance-- Electrical Utilities	• Closure Services & Infrastructure	DE-AC06-96RL13200, C.4.2.50, DELIVERABLES	Breakdown (by contractor) of BPA power and transmission billing. Due: Monthly Breakdown (by contractor) of BPA power and transmission billing. (Sep 2007) Planned: 30 October 2007			
CD0600	C.5.3.4.c DELIVERABLES/COMPLETIONS	WBS 4.4.3.14 Work Force Services Contract Reporting (Human Resources)	• Workforce Services	DE-AC06-96RL13200, C.5.3.4, DELIVERABLES	Contractor Employment and Separation Data Due: Annually Contractor Employment and Separation Data (2008) Planned: 15 November 2007			
CD0604	C.5.9.7.c DELIVERABLES/COMPLETIONS	WBS 4.4.3.3 Environmental Protection TPA Support	• Environment, Health, Safety, & Quality	DE-AC06-96RL13200, C.5.9.7, DELIVERABLES	TPA milestone status reports and statistics Due: Monthly TPA milestone status reports and statistics (Oct 2007) Planned: 15 November 2007			